$$Z = P \\ X \\ V \\ O \\ Y \\ P_i$$

Fig. 1A

$$Z = P - X$$

$$Y_1 \longrightarrow O$$

$$N$$

Fig. 1B

$$Z = P \longrightarrow X \quad Y_2 \longrightarrow Y_2 \longrightarrow Y_1$$

Fig. 1C

$$Z = P - X$$

Fig. 1D

$$Z=P-X$$
 Y_3
 O
 P

Fig. 1E

Fig. 2A-A

$$\begin{array}{c}
O \\
N \\
Z = P - X
\end{array}$$

$$\begin{array}{c}
Y_1 \\
O \\
N
\end{array}$$

Fig. 2B-B

$$\begin{array}{c} \downarrow \\ Y_2 \\ \searrow \\ Z = P - X \\ Y_2 \\ \searrow \\ V \\ N \\ \downarrow \end{array}$$

Fig. 2C-C

Fig. 2D-D/E-E

Toosso setatos

Fig. 3

CCCGTAGCAGCGNNNN charged
ACGTTGAGGGGCATCGTCGC

CCCGTAGCAGCGNNNN charged
ACGTTGAGGGGCATCGTC

ACGTTGAGGGGCATCGT

Uncharged
ACGTTGAGGGGCATCG

Uncharged
Uncharged

Fig. 4A

CCGTAGCAGC charged
ACGTTGAGGGCATCGTCGC uncharged

CCGTAGAGG

CCGTAGAGC

charged
ACGTTGAGGGCATCTCGC uncharged

Fig. 41

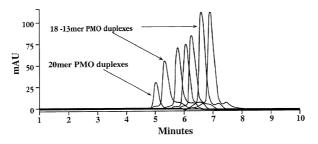


Fig. 5A

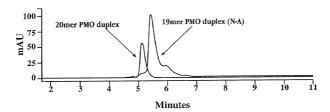


Fig. 5B

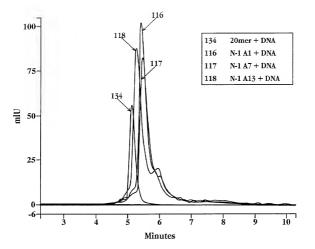


Fig. 6

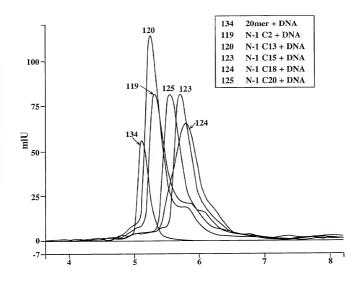


Fig. 7

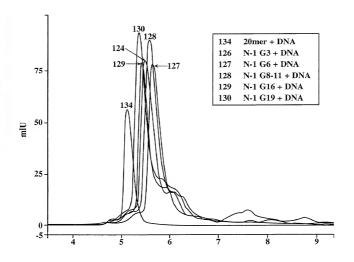


Fig. 8

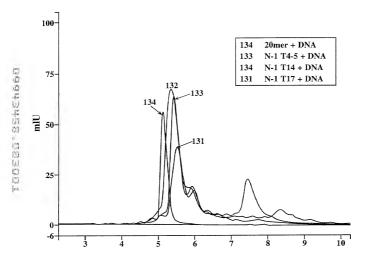


Fig. 9

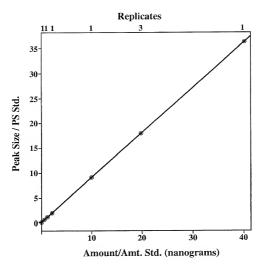


Fig. 10

 $Base_{1-15} = GAGGGGCATCGTCGC (5' \longrightarrow 3')$

$$A = \bigvee_{N=1}^{N+1} \bigvee_{N=1}^{N+2} C = \bigvee_{N=1}^{N+1} \bigvee_{N=1}^{N+2} C = \bigvee_{N=1}^{N+1} \bigvee_{N=1}^{N+1} C = \bigvee_{N=1}^{N+1} \bigvee_{N=1}^{N$$

Fig. 11

